

ELECTRONIC SUPPLEMENTARY INFORMATION

“Reinvestigation of ionic conductivity of a layered $\text{Li}(\text{BH}_3\text{NH}_2\text{BH}_2\text{NH}_2\text{BH}_3)$ salt”

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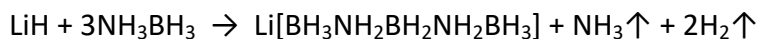
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1. Synthesis of Li(BH₃NH₂BH₂NH₂BH₃):

We used the highest purity available substrates: NH₃BH₃ (98%, JSC Aviabor), LiH (95%, Sigma Aldrich), which were stored and manipulated under inert atmosphere of argon (5.0) inside a MBRAUN Labmaster DP or Vigor SG1200 gloveboxes (both O₂ < 1.0 ppm; H₂O < 1.0 ppm).

Novel direct method of synthesis of Li[B₃N₃] consists of two stages: grinding of ammonia borane with lithium hydride in molar ratio 1:3 in agate mortar and pestle for ca. 60 seconds at room temperature under argon atmosphere resulting in homogenous mixture of the reactants, which is further heated at 75°C for 2 hours. Upon heating, a gaseous mixture of ammonia and hydrogen is being desorbed along with formation of Li[B₃N₂]:



2. ^7Li MAS NMR of $\text{Li}(\text{BH}_3\text{NH}_2\text{BH}_2\text{NH}_2\text{BH}_3)$:

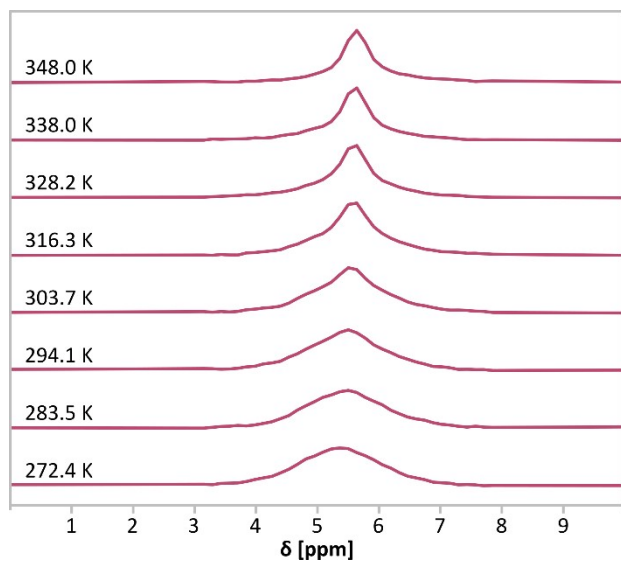


Fig. S2.1. Comparison of ^7Li MAS NMR spectra of $\text{Li}[\text{B}_3\text{N}_2]$ collected in the temperature range of 0–65°C.

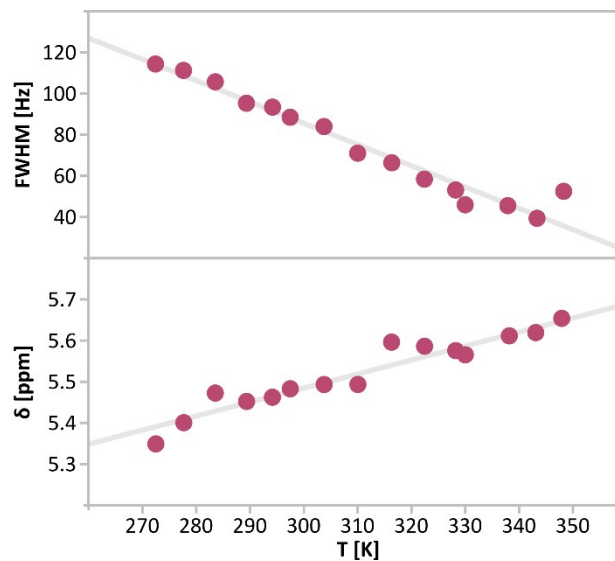


Fig. S2.2. Results ^7Li MAS NMR study of $\text{Li}[\text{B}_3\text{N}_2]$: temperature dependence of half width and chemical shift of the peak .

3. Crystal structure and Rietveld fit for $\text{Li}(\text{BH}_3\text{NH}_2\text{BH}_2\text{NH}_2\text{BH}_3)$:

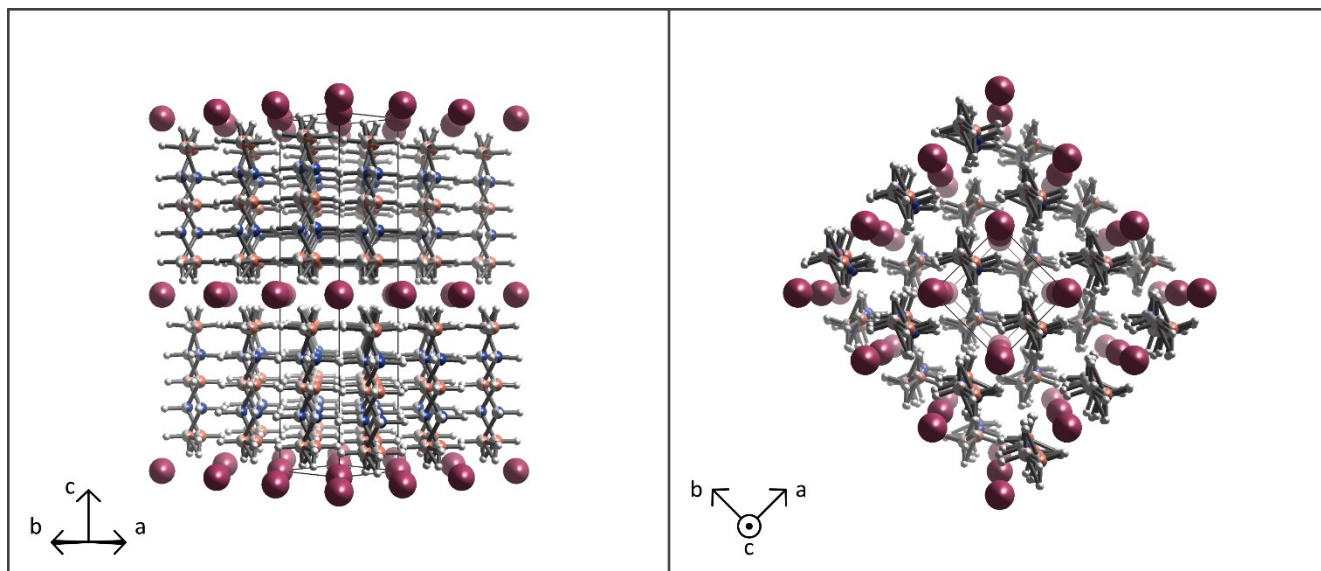


Fig. S3.1. Crystal structure of $\text{Li}[\text{B}_3\text{N}_2]$.

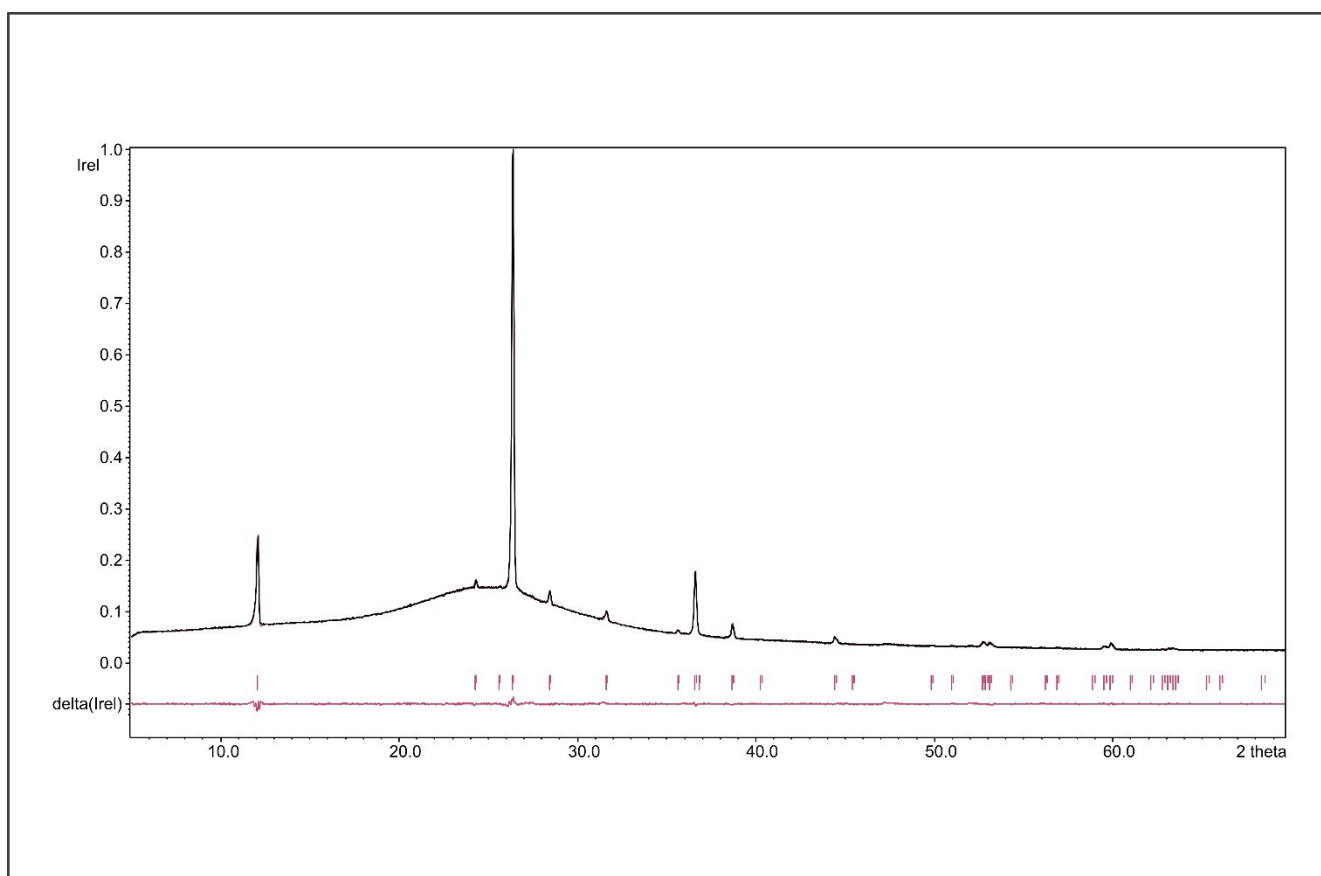


Fig. S3.2. Rietveld analysis of $\text{Li}[\text{B}_3\text{N}_2]$ powder pattern.

4. EIS spectra of pristine Li(BH₃NH₂BH₂NH₂BH₃) at 9°C and 16°C

[1/4]

Li(B3N2) / 9°C					Li(B3N2) / 16°C				
f	phi (f)	mod z (f)	Z'	Z'' (Z')	f	phi (f)	mod z (f)	Z'	Z'' (Z')
1.00E+07	-6.74E+01	7.48E+03	2.88E+03	6.90E+03	1.00E+07	-6.74E+01	7.12E+03	2.74E+03	6.57E+03
7.94E+06	-4.88E+01	7.77E+03	5.12E+03	5.85E+03	7.94E+06	-4.79E+01	7.65E+03	5.13E+03	5.68E+03
6.31E+06	-8.83E+01	1.55E+04	4.63E+02	1.52E+04	6.31E+06	-8.74E+01	1.52E+04	7.04E+02	1.52E+04
5.01E+06	-8.25E+01	1.78E+04	2.34E+03	1.76E+04	5.01E+06	-8.14E+01	1.75E+04	2.61E+03	1.73E+04
3.98E+06	8.72E+01	2.26E+04	-1.13E+03	2.26E+04	3.98E+06	8.85E+01	2.27E+04	-6.14E+02	2.27E+04
3.16E+06	7.25E+01	4.87E+04	-1.47E+04	4.64E+04	3.16E+06	7.52E+01	4.80E+04	-1.23E+04	4.64E+04
2.51E+06	8.09E+01	3.04E+04	-4.84E+03	3.01E+04	2.51E+06	8.19E+01	3.00E+04	-4.24E+03	2.97E+04
2.00E+06	-2.52E+01	9.85E+04	-8.91E+04	-4.19E+04	2.00E+06	-2.40E+01	1.01E+05	-9.27E+04	-4.12E+04
1.58E+06	7.55E+01	4.82E+05	-1.21E+05	4.67E+05	1.58E+06	8.63E+01	4.39E+05	-2.88E+04	4.38E+05
1.26E+06	-8.10E+01	3.03E+05	4.74E+04	2.99E+05	1.26E+06	-7.66E+01	2.76E+05	6.44E+04	2.68E+05
1.00E+06	-8.05E+01	3.05E+05	5.04E+04	3.00E+05	1.00E+06	-7.66E+01	2.79E+05	6.48E+04	2.71E+05
7.94E+05	-7.86E+01	3.49E+05	6.93E+04	3.42E+05	7.94E+05	-7.59E+01	3.16E+05	7.69E+04	3.06E+05
6.31E+05	-7.81E+01	4.11E+05	8.52E+04	4.02E+05	6.31E+05	-7.50E+01	3.72E+05	9.63E+04	3.59E+05
5.01E+05	-7.83E+01	4.93E+05	1.00E+05	4.83E+05	5.01E+05	-7.39E+01	4.45E+05	1.23E+05	4.27E+05
3.98E+05	-7.73E+01	5.98E+05	1.31E+05	5.83E+05	3.98E+05	-7.26E+01	5.34E+05	1.60E+05	5.10E+05
3.16E+05	-7.62E+01	7.26E+05	1.74E+05	7.05E+05	3.16E+05	-7.10E+01	6.42E+05	2.09E+05	6.07E+05
2.51E+05	-7.49E+01	8.82E+05	2.30E+05	8.52E+05	2.51E+05	-6.93E+01	7.71E+05	2.73E+05	7.21E+05
2.00E+05	-7.31E+01	1.07E+06	3.10E+05	1.02E+06	2.00E+05	-6.73E+01	9.23E+05	3.57E+05	8.52E+05
1.58E+05	-7.16E+01	1.29E+06	4.07E+05	1.22E+06	1.58E+05	-6.51E+01	1.10E+06	4.64E+05	9.99E+05
1.26E+05	-6.99E+01	1.55E+06	5.33E+05	1.46E+06	1.26E+05	-6.27E+01	1.31E+06	6.01E+05	1.16E+06
1.00E+05	-6.81E+01	1.86E+06	6.95E+05	1.73E+06	1.00E+05	-6.02E+01	1.53E+06	7.60E+05	1.33E+06
7.94E+04	-6.61E+01	2.22E+06	9.00E+05	2.03E+06	7.94E+04	-5.76E+01	1.79E+06	9.59E+05	1.51E+06
6.31E+04	-6.39E+01	2.64E+06	1.16E+06	2.37E+06	6.31E+04	-5.47E+01	2.08E+06	1.20E+06	1.69E+06
5.01E+04	-6.16E+01	3.12E+06	1.48E+06	2.74E+06	5.01E+04	-5.17E+01	2.39E+06	1.48E+06	1.88E+06
3.98E+04	-5.91E+01	3.66E+06	1.88E+06	3.14E+06	3.98E+04	-4.86E+01	2.73E+06	1.81E+06	2.05E+06
3.16E+04	-5.65E+01	4.28E+06	2.36E+06	3.56E+06	3.16E+04	-4.54E+01	3.09E+06	2.17E+06	2.20E+06
2.51E+04	-5.36E+01	4.96E+06	2.94E+06	3.99E+06	2.51E+04	-4.20E+01	3.47E+06	2.58E+06	2.32E+06
2.00E+04	-5.06E+01	5.70E+06	3.62E+06	4.40E+06	2.00E+04	-3.86E+01	3.85E+06	3.01E+06	2.40E+06
1.58E+04	-4.74E+01	6.49E+06	4.40E+06	4.77E+06	1.58E+04	-3.52E+01	4.22E+06	3.45E+06	2.43E+06
1.26E+04	-4.40E+01	7.32E+06	5.26E+06	5.09E+06	1.26E+04	-3.18E+01	4.59E+06	3.90E+06	2.42E+06
1.00E+04	-4.06E+01	8.17E+06	6.21E+06	5.32E+06	1.00E+04	-2.86E+01	4.94E+06	4.34E+06	2.36E+06
7.94E+03	-3.71E+01	9.03E+06	7.20E+06	5.45E+06	7.94E+03	-2.55E+01	5.26E+06	4.75E+06	2.26E+06
6.31E+03	-3.37E+01	9.86E+06	8.21E+06	5.47E+06	6.31E+03	-2.25E+01	5.55E+06	5.13E+06	2.13E+06
5.01E+03	-3.03E+01	1.07E+07	9.20E+06	5.38E+06	5.01E+03	-1.98E+01	5.81E+06	5.47E+06	1.97E+06
3.98E+03	-2.71E+01	1.14E+07	1.02E+07	5.19E+06	3.98E+03	-1.74E+01	6.04E+06	5.77E+06	1.80E+06
3.16E+03	-2.40E+01	1.21E+07	1.11E+07	4.92E+06	3.16E+03	-1.52E+01	6.24E+06	6.02E+06	1.63E+06
2.51E+03	-2.12E+01	1.27E+07	1.19E+07	4.59E+06	2.51E+03	-1.32E+01	6.41E+06	6.24E+06	1.47E+06
2.00E+03	-1.86E+01	1.33E+07	1.26E+07	4.22E+06	2.00E+03	-1.15E+01	6.56E+06	6.43E+06	1.31E+06
1.58E+03	-1.62E+01	1.37E+07	1.32E+07	3.84E+06	1.58E+03	-9.99E+00	6.69E+06	6.59E+06	1.16E+06
1.26E+03	-1.41E+01	1.42E+07	1.37E+07	3.45E+06	1.26E+03	-8.68E+00	6.80E+06	6.73E+06	1.03E+06
1.00E+03	-1.23E+01	1.45E+07	1.42E+07	3.08E+06	1.00E+03	-7.55E+00	6.90E+06	6.84E+06	9.06E+05
7.94E+02	-1.06E+01	1.48E+07	1.46E+07	2.73E+06	7.94E+02	-6.58E+00	6.98E+06	6.94E+06	7.99E+05
6.31E+02	-9.22E+00	1.51E+07	1.49E+07	2.42E+06	6.31E+02	-5.74E+00	7.06E+06	7.02E+06	7.06E+05
5.01E+02	-7.98E+00	1.53E+07	1.52E+07	2.13E+06	5.01E+02	-5.02E+00	7.12E+06	7.10E+06	6.24E+05
3.98E+02	-6.92E+00	1.55E+07	1.54E+07	1.87E+06	3.98E+02	-4.42E+00	7.18E+06	7.16E+06	5.53E+05
3.16E+02	-6.01E+00	1.57E+07	1.56E+07	1.64E+06	3.16E+02	-3.90E+00	7.23E+06	7.21E+06	4.92E+05
2.51E+02	-5.22E+00	1.58E+07	1.58E+07	1.44E+06	2.51E+02	-3.47E+00	7.27E+06	7.26E+06	4.40E+05
2.00E+02	-4.57E+00	1.59E+07	1.59E+07	1.27E+06	2.00E+02	-3.09E+00	7.31E+06	7.30E+06	3.94E+05
1.58E+02	-4.01E+00	1.61E+07	1.60E+07	1.12E+06	1.58E+02	-2.80E+00	7.34E+06	7.33E+06	3.59E+05
1.26E+02	-3.53E+00	1.62E+07	1.61E+07	9.94E+05	1.26E+02	-2.56E+00	7.37E+06	7.37E+06	3.29E+05
1.00E+02	-3.12E+00	1.62E+07	1.62E+07	8.83E+05	1.00E+02	-2.35E+00	7.40E+06	7.40E+06	3.04E+05
7.94E+01	-2.79E+00	1.63E+07	1.63E+07	7.95E+05	7.94E+01	-2.21E+00	7.43E+06	7.42E+06	2.86E+05
6.31E+01	-2.52E+00	1.64E+07	1.64E+07	7.21E+05	6.31E+01	-2.11E+00	7.45E+06	7.45E+06	2.74E+05
5.01E+01	-3.08E+00	1.64E+07	1.63E+07	8.80E+05	5.01E+01	-1.68E+00	7.47E+06	7.46E+06	2.18E+05
3.98E+01	-2.18E+00	1.65E+07	1.65E+07	6.27E+05	3.98E+01	-2.02E+00	7.51E+06	7.51E+06	2.64E+05
3.16E+01	-2.10E+00	1.66E+07	1.66E+07	6.06E+05	3.16E+01	-2.02E+00	7.54E+06	7.53E+06	2.65E+05
2.51E+01	-1.98E+00	1.66E+07	1.66E+07	5.73E+05	2.51E+01	-2.08E+00	7.57E+06	7.56E+06	2.74E+05
2.00E+01	-1.93E+00	1.67E+07	1.67E+07	5.60E+05	2.00E+01	-2.15E+00	7.60E+06	7.60E+06	2.86E+05
1.58E+01	-1.94E+00	1.67E+07	1.67E+07	5.66E+05	1.58E+01	-2.24E+00	7.64E+06	7.63E+06	2.99E+05
1.26E+01	-1.96E+00	1.68E+07	1.68E+07	5.75E+05	1.26E+01	-2.40E+00	7.67E+06	7.67E+06	3.21E+05
1.00E+01	-2.02E+00	1.68E+07	1.68E+07	5.94E+05	1.00E+01	-2.57E+00	7.71E+06	7.70E+06	3.46E+05
7.94E+00	-2.09E+00	1.69E+07	1.69E+07	6.16E+05	7.94E+00	-2.77E+00	7.75E+06	7.74E+06	3.75E+05
6.31E+00	-2.26E+00	1.70E+07	1.70E+07	6.68E+05	6.31E+00	-3.02E+00	7.79E+06	7.78E+06	4.10E+05
5.01E+00	-2.42E+00	1.70E+07	1.70E+07	7.19E+05	5.01E+00	-3.29E+00	7.83E+06	7.82E+06	4.49E+05
3.98E+00	-2.64E+00	1.71E+07	1.71E+07	7.88E+05	3.98E+00	-3.61E+00	7.88E+06	7.86E+06	4.96E+05
3.16E+00	-2.86E+00	1.72E+07	1.72E+07	8.59E+05	3.16E+00	-3.94E+00	7.93E+06	7.91E+06	5.45E+05
2.51E+00	-3.14E+00	1.73E+07	1.73E+07	9.47E+05	2.51E+00	-4.33E+00	7.99E+06	7.97E+06	6.04E+05
2.00E+00	-3.46E+00	1.74E+07	1.74E+07	1.05E+06	2.00E+00	-4.74E+00	8.06E+06	8.03E+06	6.66E+05
1.58E+00	-3.82E+00	1.75E+07	1.75E+07	1.16E+06	1.58E+00	-5.21E+00	8.14E+06	8.10E+06	7.39E+05
1.26E+00	-4.23E+00	1.76E+07	1.76E+07	1.30E+06	1.26E+00	-5.71E+00	8.23E+06	8.19E+06	8.19E+05
1.00E+00	-4.68E+00	1.78E+07	1.77E+07	1.45E+06	1.00E+00	-6.24E+00	8.32E+06	8.27E+06	9.04E+05
7.94E-01	-5.15E+00	1.79E+07	1.79E+07	1.61E+06	7.94E-01	-6.84E+00	8.42E+06	8.36E+06	1.00E+06
6.31E-01	-5.68E+00	1.81E+07	1.80E+07	1.79E+06	6.31E-01	-7.45E+00	8.54E+06	8.47E+06	1.11E+06
5.01E-01	-6.28E+00	1.83E+07	1.82E+07	2.00E+06	5.01E-01	-8.14E+00	8.67E+06	8.59E+06	1.23E+06
3.98E-01	-6.86E+00	1.85E+07	1.84E+07	2.21E+06	3.98E-01	-8.82E+00	8.80E+06	8.70E+06	1.35E+06
3.16E-01	-7.51E+00	1.88E+07	1.86E+07	2.45E+06	3.16E-01	-9.58E+00	8.96E+06	8.84E+06	1.49E+06
2.51E-01	-8.22E+00	1.91E+07	1.89E+07	2.72E+06	2.51E-01	-1.04E+01	9.13E+06	8.98E+06	1.65E+06
2.00E-01	-9.03E+00	1.94E+07	1.91E+07	3.03E+06	2.00E-01	-1.13E+01	9.30E+06	9.12E+06	1.83E+06
1.58E-01	-9.93E+00	1.97E+07	1.94E+07	3.40E+06	1.58E-01	-1.24E+01	9.54E+06	9.31E+06	2.04E+06
1.26E-01	-1.07E+01	2.01E+07	1.98E+07	3.75E+06	1.26E-01	-1.33E+01	9.77E+06	9.51E+06	2.24E+06
1.00E-01	-1.19E+01	2.06E+07	2.01E+07	4.22E+06	1.00E-01	-1.45E+01	1.01E+07	9.75E+06	2.53E+06
7.94E-02	-1.28E+01	2.10E+07	2.05E+07	4.67E+06	7.94E-02	-1.57E+01	1.03E+07	9.94E+06	2.79E+06
6.31E-02	-1.39E+01	2.16E+07	2.10E+07	5.19E+06	6.31E-02	-1.69E+01	1.07E+07	1.02E+07	3.10E+06
5.01E-02	-1.53E+01	2.23E+07	2.15E+07	5.86E+06	5.01E-02	-1.84E+01	1.11E+07	1.05E+07	3.51E+06
3.98E-02	-1.65E+01	2.29E+07	2.20E+07	6.52E+06	3.98E-02	-1.98E+01	1.15E+07	1.09E+07	3.91E+06
3.16E-02	-1.77E+01	2.37E+07	2.26E+07	7.24E+06	3.16E-02	-2.11E+01	1.20E+07	1.12E+07	4.33E+06
2.51E-02	-1.90E+01	2.47E+07	2.33E+07	8.04E+06	2.51E-02	-2.24E+01	1.26E+07	1.17E+07	4.82E+06
2.00E-02	-2.03E+01	2.58E+07	2.42E+07	8.94E+06	2.00E-02	-2.38E+01	1.33E+07	1.22E+07	5.37E+06
1.59E-02	-2.18E+01	2.70E+07	2.50E+07	1.00E+07	1.59E-02	-2.52E+01	1.41E+07	1.27E+07	5.99E+06
1.26E-02	-2.30E+01	2.82E+07	2.60E+07	1.1					

4. EIS spectra of pristine Li(BH₃NH₂BH₂NH₂BH₃) at 21°C and 32°C

[2/4]

Li(B3N2) / 21°C					Li(B3N2) / 32°C				
f	phi (f)	mod z (f)	Z'	Z'' (Z')	f	phi (f)	mod z (f)	Z'	Z'' (Z')
1.00E+07	-6.64E+01	7.04E+03	2.82E+03	6.45E+03	1.00E+07	-6.43E+01	7.19E+03	3.12E+03	6.47E+03
7.94E+06	-4.67E+01	7.51E+03	5.15E+03	5.46E+03	7.94E+06	-4.55E+01	7.36E+03	5.16E+03	5.25E+03
6.31E+06	-8.53E+01	1.49E+04	1.24E+03	1.49E+04	6.31E+06	-8.30E+01	1.47E+04	1.81E+03	1.46E+04
5.01E+06	-8.02E+01	1.70E+04	2.92E+03	1.68E+04	5.01E+06	-7.87E+01	1.66E+04	3.26E+03	1.63E+04
3.98E+06	8.99E+01	2.21E+04	-4.49E+01	2.21E+04	3.98E+06	-8.91E+01	2.13E+04	3.66E+02	2.13E+04
3.16E+06	7.74E+01	4.67E+04	-1.02E+04	4.56E+04	3.16E+06	7.99E+01	4.54E+04	-7.99E+03	4.47E+04
2.51E+06	8.32E+01	2.95E+04	-3.50E+03	2.93E+04	2.51E+06	8.48E+01	2.89E+04	-2.65E+03	2.88E+04
2.00E+06	-1.74E+01	1.01E+05	-9.67E+04	-3.02E+04	2.00E+06	-1.62E+01	1.09E+05	-1.05E+05	-3.04E+04
1.58E+06	-7.82E+01	3.81E+05	7.83E+04	3.73E+05	1.58E+06	-6.93E+01	3.12E+05	1.11E+05	2.92E+05
1.26E+06	-7.18E+01	2.48E+05	7.76E+04	2.35E+05	1.26E+06	-6.67E+01	2.19E+05	8.68E+04	2.01E+05
1.00E+06	-7.22E+01	2.51E+05	7.68E+04	2.39E+05	1.00E+06	-6.75E+01	2.23E+05	8.55E+04	2.06E+05
7.94E+05	-7.16E+01	2.84E+05	8.99E+04	2.69E+05	7.94E+05	-6.67E+01	2.52E+05	9.97E+04	2.31E+05
6.31E+05	-7.04E+01	3.33E+05	1.12E+05	3.13E+05	6.31E+05	-6.53E+01	2.93E+05	1.22E+05	2.66E+05
5.01E+05	-6.90E+01	3.94E+05	1.42E+05	3.68E+05	5.01E+05	-6.35E+01	3.43E+05	1.54E+05	3.07E+05
3.98E+05	-6.72E+01	4.69E+05	1.82E+05	4.32E+05	3.98E+05	-6.13E+01	4.03E+05	1.94E+05	3.53E+05
3.16E+05	-6.52E+01	5.57E+05	2.34E+05	5.05E+05	3.16E+05	-5.88E+01	4.72E+05	2.45E+05	4.04E+05
2.51E+05	-6.30E+01	6.59E+05	3.00E+05	5.87E+05	2.51E+05	-5.60E+01	5.50E+05	3.07E+05	4.56E+05
2.00E+05	-6.05E+01	7.77E+05	3.83E+05	6.76E+05	2.00E+05	-5.31E+01	6.36E+05	3.82E+05	5.08E+05
1.58E+05	-5.78E+01	9.10E+05	4.86E+05	7.70E+05	1.58E+05	-4.99E+01	7.29E+05	4.70E+05	5.57E+05
1.26E+05	-5.48E+01	1.06E+06	6.11E+05	8.65E+05	1.26E+05	-4.65E+01	8.28E+05	5.71E+05	6.00E+05
1.00E+05	-5.15E+01	1.22E+06	7.60E+05	9.55E+05	1.00E+05	-4.30E+01	9.31E+05	6.81E+05	6.34E+05
7.94E+04	-4.81E+01	1.39E+06	9.29E+05	1.03E+06	7.94E+04	-3.93E+01	1.03E+06	8.00E+05	6.55E+05
6.31E+04	-4.45E+01	1.57E+06	1.12E+06	1.10E+06	6.31E+04	-3.57E+01	1.13E+06	9.21E+05	6.61E+05
5.01E+04	-4.19E+01	1.76E+06	1.31E+06	1.17E+06	5.01E+04	-3.23E+01	1.23E+06	1.04E+06	6.57E+05
3.98E+04	-3.85E+01	1.95E+06	1.52E+06	1.21E+06	3.98E+04	-2.91E+01	1.32E+06	1.15E+06	6.42E+05
3.16E+04	-3.52E+01	2.14E+06	1.75E+06	1.23E+06	3.16E+04	-2.62E+01	1.41E+06	1.26E+06	6.21E+05
2.51E+04	-3.18E+01	2.32E+06	1.97E+06	1.22E+06	2.51E+04	-2.35E+01	1.49E+06	1.36E+06	5.94E+05
2.00E+04	-2.85E+01	2.49E+06	2.19E+06	1.19E+06	2.00E+04	-2.10E+01	1.56E+06	1.46E+06	5.60E+05
1.58E+04	-2.55E+01	2.66E+06	2.40E+06	1.14E+06	1.58E+04	-1.86E+01	1.63E+06	1.55E+06	5.20E+05
1.26E+04	-2.26E+01	2.80E+06	2.59E+06	1.08E+06	1.26E+04	-1.63E+01	1.70E+06	1.63E+06	4.77E+05
1.00E+04	-1.99E+01	2.94E+06	2.76E+06	9.98E+05	1.00E+04	-1.43E+01	1.75E+06	1.70E+06	4.32E+05
7.94E+03	-1.74E+01	3.05E+06	2.91E+06	9.14E+05	7.94E+03	-1.21E+01	1.80E+06	1.76E+06	3.78E+05
6.31E+03	-1.52E+01	3.16E+06	3.05E+06	8.28E+05	6.31E+03	-1.05E+01	1.84E+06	1.81E+06	3.36E+05
5.01E+03	-1.33E+01	3.24E+06	3.16E+06	7.44E+05	5.01E+03	-9.13E+00	1.87E+06	1.85E+06	2.97E+05
3.98E+03	-1.15E+01	3.32E+06	3.25E+06	6.63E+05	3.98E+03	-7.92E+00	1.90E+06	1.88E+06	2.62E+05
3.16E+03	-1.00E+01	3.39E+06	3.33E+06	5.89E+05	3.16E+03	-6.89E+00	1.93E+06	1.91E+06	2.31E+05
2.51E+03	-8.72E+00	3.44E+06	3.40E+06	5.22E+05	2.51E+03	-6.02E+00	1.95E+06	1.94E+06	2.04E+05
2.00E+03	-7.59E+00	3.49E+06	3.46E+06	4.61E+05	2.00E+03	-5.25E+00	1.97E+06	1.96E+06	1.80E+05
1.58E+03	-6.62E+00	3.53E+06	3.51E+06	4.07E+05	1.58E+03	-4.61E+00	1.98E+06	1.98E+06	1.59E+05
1.26E+03	-5.78E+00	3.57E+06	3.55E+06	3.59E+05	1.26E+03	-4.05E+00	2.00E+06	1.99E+06	1.41E+05
1.00E+03	-5.07E+00	3.61E+06	3.59E+06	3.18E+05	1.00E+03	-3.59E+00	2.01E+06	2.00E+06	1.26E+05
7.94E+02	-4.46E+00	3.63E+06	3.62E+06	2.82E+05	7.94E+02	-3.19E+00	2.02E+06	2.02E+06	1.12E+05
6.31E+02	-3.93E+00	3.66E+06	3.65E+06	2.51E+05	6.31E+02	-2.87E+00	2.03E+06	2.03E+06	1.01E+05
5.01E+02	-3.50E+00	3.68E+06	3.68E+06	2.25E+05	5.01E+02	-2.60E+00	2.04E+06	2.04E+06	9.23E+04
3.98E+02	-3.13E+00	3.71E+06	3.70E+06	2.02E+05	3.98E+02	-2.38E+00	2.05E+06	2.05E+06	8.50E+04
3.16E+02	-2.83E+00	3.73E+06	3.72E+06	1.84E+05	3.16E+02	-2.21E+00	2.06E+06	2.05E+06	7.94E+04
2.51E+02	-2.58E+00	3.74E+06	3.74E+06	1.69E+05	2.51E+02	-2.09E+00	2.06E+06	2.06E+06	7.52E+04
2.00E+02	-2.38E+00	3.76E+06	3.76E+06	1.56E+05	2.00E+02	-2.00E+00	2.07E+06	2.07E+06	7.22E+04
1.58E+02	-2.24E+00	3.77E+06	3.77E+06	1.47E+05	1.58E+02	-1.96E+00	2.08E+06	2.08E+06	7.10E+04
1.26E+02	-2.12E+00	3.79E+06	3.78E+06	1.40E+05	1.26E+02	-1.94E+00	2.08E+06	2.08E+06	7.07E+04
1.00E+02	-2.05E+00	3.80E+06	3.80E+06	1.36E+05	1.00E+02	-1.97E+00	2.09E+06	2.09E+06	7.18E+04
7.94E+01	-2.02E+00	3.81E+06	3.81E+06	1.34E+05	7.94E+01	-2.01E+00	2.10E+06	2.10E+06	7.34E+04
6.31E+01	-2.05E+00	3.83E+06	3.83E+06	1.37E+05	6.31E+01	-2.10E+00	2.11E+06	2.10E+06	7.73E+04
5.01E+01	-2.23E+00	3.84E+06	3.83E+06	1.49E+05	5.01E+01	-2.19E+00	2.11E+06	2.11E+06	8.06E+04
3.98E+01	-2.13E+00	3.86E+06	3.85E+06	1.44E+05	3.98E+01	-2.37E+00	2.12E+06	2.12E+06	8.78E+04
3.16E+01	-2.24E+00	3.87E+06	3.87E+06	1.51E+05	3.16E+01	-2.55E+00	2.13E+06	2.13E+06	9.49E+04
2.51E+01	-2.37E+00	3.89E+06	3.88E+06	1.61E+05	2.51E+01	-2.76E+00	2.14E+06	2.14E+06	1.03E+05
2.00E+01	-2.53E+00	3.91E+06	3.90E+06	1.72E+05	2.00E+01	-3.01E+00	2.15E+06	2.15E+06	1.13E+05
1.58E+01	-2.73E+00	3.92E+06	3.92E+06	1.87E+05	1.58E+01	-3.27E+00	2.17E+06	2.16E+06	1.24E+05
1.26E+01	-2.96E+00	3.94E+06	3.94E+06	2.04E+05	1.26E+01	-3.59E+00	2.18E+06	2.18E+06	1.36E+05
1.00E+01	-3.23E+00	3.97E+06	3.96E+06	2.23E+05	1.00E+01	-3.93E+00	2.20E+06	2.19E+06	1.50E+05
7.94E+00	-3.53E+00	3.99E+06	3.99E+06	2.46E+05	7.94E+00	-4.30E+00	2.21E+06	2.21E+06	1.66E+05
6.31E+00	-3.86E+00	4.02E+06	4.01E+06	2.70E+05	6.31E+00	-4.71E+00	2.23E+06	2.22E+06	1.83E+05
5.01E+00	-4.22E+00	4.05E+06	4.04E+06	2.98E+05	5.01E+00	-5.15E+00	2.25E+06	2.24E+06	2.02E+05
3.98E+00	-4.62E+00	4.09E+06	4.07E+06	3.29E+05	3.98E+00	-5.62E+00	2.28E+06	2.27E+06	2.23E+05
3.16E+00	-5.06E+00	4.12E+06	4.11E+06	3.64E+05	3.16E+00	-6.13E+00	2.30E+06	2.29E+06	2.46E+05
2.51E+00	-5.55E+00	4.16E+06	4.14E+06	4.03E+05	2.51E+00	-6.69E+00	2.33E+06	2.31E+06	2.71E+05
2.00E+00	-6.06E+00	4.21E+06	4.18E+06	4.44E+05	2.00E+00	-7.27E+00	2.36E+06	2.34E+06	2.99E+05
1.58E+00	-6.61E+00	4.26E+06	4.23E+06	4.90E+05	1.58E+00	-7.90E+00	2.40E+06	2.37E+06	3.29E+05
1.26E+00	-7.20E+00	4.31E+06	4.28E+06	5.40E+05	1.26E+00	-8.55E+00	2.43E+06	2.41E+06	3.61E+05
1.00E+00	-7.84E+00	4.38E+06	4.33E+06	5.96E+05	1.00E+00	-9.26E+00	2.47E+06	2.44E+06	3.98E+05
7.94E-01	-8.57E+00	4.44E+06	4.39E+06	6.62E+05	7.94E-01	-1.00E+01	2.52E+06	2.48E+06	4.38E+05
6.31E-01	-9.24E+00	4.52E+06	4.46E+06	7.25E+05	6.31E-01	-1.08E+01	2.57E+06	2.52E+06	4.81E+05
5.01E-01	-1.00E+01	4.60E+06	4.53E+06	7.99E+05	5.01E-01	-1.17E+01	2.63E+06	2.57E+06	5.31E+05
3.98E-01	-1.09E+01	4.69E+06	4.61E+06	8.87E+05	3.98E-01	-1.25E+01	2.69E+06	2.62E+06	5.83E+05
3.16E-01	-1.17E+01	4.80E+06	4.70E+06	9.74E+05	3.16E-01	-1.35E+01	2.76E+06	2.68E+06	6.45E+05
2.51E-01	-1.26E+01	4.91E+06	4.79E+06	1.07E+06	2.51E-01	-1.46E+01	2.84E+06	2.75E+06	7.14E+05
2.00E-01	-1.37E+01	5.03E+06	4.88E+06	1.19E+06	2.00E-01	-1.56E+01	2.92E+06	2.81E+06	7.86E+05
1.58E-01	-1.49E+01	5.19E+06	5.01E+06	1.33E+06	1.58E-01	-1.68E+01	3.02E+06	2.89E+06	8.70E+05
1.26E-01	-1.58E+01	5.34E+06	5.13E+06	1.46E+06	1.26E-01	-1.78E+01	3.12E+06	2.97E+06	9.54E+05
1.00E-01	-1.72E+01	5.52E+06	5.28E+06	1.63E+06	1.00E-01	-1.92E+01	3.25E+06	3.07E+06	1.07E+06
7.94E-02	-1.84E+01	5.71E+06	5.42E+06	1.80E+06	7.94E-02	-2.04E+01	3.38E+06	3.17E+06	1.18E+06
6.31E-02	-1.98E+01	5.96E+06	5.60E+06	2.02E+06	6.31E-02	-2.20E+01	3.55E+06	3.29E+06	1.33E+06
5.01E-02	-2.11E+01	6.20E+06	5.79E+06	2.23E+06	5.01E-02	-2.33E+01	3.73E+06	3.42E+06	1.47E+06
3.98E-02	-2.23E+01	6.52E+06	6.03E+06	2.48E+06	3.98E-02	-2.48E+01	3.95E+06	3.58E+06	1.68E+06
3.16E-02	-2.39E+01	6.86E+06	6.27E+06	2.78E+06	3.16E-02	-2.61E+01	4.18E+06	3.75E+06	1.84E+06
2.51E-02	-2.53E+01	7.22E+06	6.53E+06	3.08E+06	2.51E-02	-2.76E+01	4.46E+06	3.95E+06	2.07E+06
2.00E-02	-2.65E+01	7.66E+06	6.86E+06	3.41E+06	2.00E-02	-2.87E+01	4.77E+06	4.18E+06	2.29E+06
1.59E-02	-2.75E+01	8.16E+06	7.24E+06	3.77E+06	1.59E-02	-2.97E+01	5.14E+06	4.46E+06	2.55E+06
1.26E-02	-2.84E+01	8.73E+06	7.68E+06	4					

4. EIS spectra of pristine Li(BH₃NH₂BH₂NH₂BH₃) at 40°C and 48°C

[3/4]

Li(B3N2) / 40°C					Li(B3N2) / 48°C				
f	phi (f)	mod z (f)	Z'	Z'' (Z')	f	phi (f)	mod z (f)	Z'	Z'' (Z')
1.00E+07	-6.31E+01	7.05E+03	3.19E+03	6.29E+03	1.00E+07	-6.22E+01	6.93E+03	3.23E+03	6.12E+03
7.94E+06	-4.43E+01	7.22E+03	5.17E+03	5.04E+03	7.94E+06	-4.26E+01	7.07E+03	5.20E+03	4.79E+03
6.31E+06	-8.06E+01	1.45E+04	2.36E+03	1.43E+04	6.31E+06	-7.72E+01	1.42E+04	3.15E+03	1.39E+04
5.01E+06	-7.71E+01	1.62E+04	3.65E+03	1.58E+04	5.01E+06	-7.50E+01	1.57E+04	4.08E+03	1.52E+04
3.98E+06	-8.70E+01	2.09E+04	1.10E+03	2.08E+04	3.98E+06	-8.50E+01	2.04E+04	1.77E+03	2.03E+04
3.16E+06	8.35E+01	4.42E+04	-5.06E+03	4.39E+04	3.16E+06	8.76E+01	4.27E+04	-1.82E+03	4.27E+04
2.51E+06	8.63E+01	2.82E+04	-1.83E+03	2.82E+04	2.51E+06	8.84E+01	2.77E+04	-7.75E+02	2.76E+04
2.00E+06	-1.38E+01	1.21E+05	-1.17E+05	-2.89E+04	2.00E+06	-1.21E+01	1.41E+05	-1.38E+05	-2.96E+04
1.58E+06	-6.13E+01	2.55E+05	1.22E+05	2.23E+05	1.58E+06	-5.39E+01	2.02E+05	1.19E+05	1.64E+05
1.26E+06	-6.28E+01	1.85E+05	8.48E+04	1.65E+05	1.26E+06	-5.70E+01	1.59E+05	8.65E+04	1.33E+05
1.00E+06	-6.12E+01	1.97E+05	9.51E+04	1.73E+05	1.00E+06	-5.57E+01	1.70E+05	9.58E+04	1.40E+05
7.94E+05	-6.16E+01	2.21E+05	1.05E+05	1.94E+05	7.94E+05	-5.56E+01	1.89E+05	1.07E+05	1.56E+05
6.31E+05	-5.99E+01	2.55E+05	1.28E+05	2.20E+05	6.31E+05	-5.35E+01	2.16E+05	1.28E+05	1.74E+05
5.01E+05	-5.77E+01	2.96E+05	1.58E+05	2.50E+05	5.01E+05	-5.09E+01	2.47E+05	1.56E+05	1.92E+05
3.98E+05	-5.51E+01	3.42E+05	1.96E+05	2.81E+05	3.98E+05	-4.79E+01	2.81E+05	1.88E+05	2.08E+05
3.16E+05	-5.22E+01	3.94E+05	2.42E+05	3.11E+05	3.16E+05	-4.47E+01	3.17E+05	2.25E+05	2.23E+05
2.51E+05	-4.91E+01	4.51E+05	2.95E+05	3.40E+05	2.51E+05	-4.13E+01	3.54E+05	2.66E+05	2.34E+05
2.00E+05	-4.58E+01	5.11E+05	3.57E+05	3.66E+05	2.00E+05	-3.78E+01	3.92E+05	3.10E+05	2.41E+05
1.58E+05	-4.23E+01	5.73E+05	4.24E+05	3.86E+05	1.58E+05	-3.43E+01	4.30E+05	3.55E+05	2.42E+05
1.26E+05	-3.88E+01	6.36E+05	4.96E+05	3.98E+05	1.26E+05	-3.09E+01	4.65E+05	3.99E+05	2.39E+05
1.00E+05	-3.52E+01	6.98E+05	5.71E+05	4.02E+05	1.00E+05	-2.75E+01	4.99E+05	4.42E+05	2.31E+05
7.94E+04	-3.17E+01	7.57E+05	6.44E+05	3.98E+05	7.94E+04	-2.44E+01	5.29E+05	4.82E+05	2.18E+05
6.31E+04	-2.83E+01	8.12E+05	7.15E+05	3.85E+05	6.31E+04	-2.14E+01	5.56E+05	5.17E+05	2.03E+05
5.01E+04	-2.52E+01	8.62E+05	7.80E+05	3.67E+05	5.01E+04	-1.88E+01	5.79E+05	5.48E+05	1.86E+05
3.98E+04	-2.24E+01	9.08E+05	8.39E+05	3.46E+05	3.98E+04	-1.65E+01	6.00E+05	5.75E+05	1.70E+05
3.16E+04	-1.99E+01	9.50E+05	8.93E+05	3.23E+05	3.16E+04	-1.44E+01	6.18E+05	5.98E+05	1.54E+05
2.51E+04	-1.76E+01	9.88E+05	9.42E+05	2.99E+05	2.51E+04	-1.26E+01	6.34E+05	6.19E+05	1.38E+05
2.00E+04	-1.55E+01	1.02E+06	9.86E+05	2.73E+05	2.00E+04	-1.10E+01	6.49E+05	6.37E+05	1.23E+05
1.58E+04	-1.35E+01	1.05E+06	1.02E+06	2.47E+05	1.58E+04	-9.50E+00	6.61E+05	6.52E+05	1.09E+05
1.26E+04	-1.18E+01	1.08E+06	1.06E+06	2.21E+05	1.26E+04	-8.21E+00	6.72E+05	6.65E+05	9.59E+04
1.00E+04	-1.02E+01	1.10E+06	1.09E+06	1.96E+05	1.00E+04	-7.07E+00	6.81E+05	6.76E+05	8.38E+04
7.94E+03	-8.88E+00	1.12E+06	1.11E+06	1.73E+05	7.94E+03	-6.09E+00	6.89E+05	6.85E+05	7.31E+04
6.31E+03	-7.67E+00	1.14E+06	1.13E+06	1.52E+05	6.31E+03	-5.23E+00	6.95E+05	6.93E+05	6.34E+04
5.01E+03	-6.64E+00	1.15E+06	1.15E+06	1.33E+05	5.01E+03	-4.52E+00	7.01E+05	6.99E+05	5.52E+04
3.98E+03	-5.73E+00	1.17E+06	1.16E+06	1.16E+05	3.98E+03	-3.89E+00	7.05E+05	7.04E+05	4.78E+04
3.16E+03	-4.97E+00	1.18E+06	1.17E+06	1.02E+05	3.16E+03	-3.36E+00	7.09E+05	7.08E+05	4.16E+04
2.51E+03	-4.33E+00	1.19E+06	1.18E+06	8.95E+04	2.51E+03	-2.93E+00	7.13E+05	7.12E+05	3.65E+04
2.00E+03	-3.77E+00	1.19E+06	1.19E+06	7.84E+04	2.00E+03	-2.56E+00	7.16E+05	7.15E+05	3.20E+04
1.58E+03	-3.31E+00	1.20E+06	1.20E+06	6.92E+04	1.58E+03	-2.26E+00	7.18E+05	7.18E+05	2.83E+04
1.26E+03	-2.91E+00	1.21E+06	1.21E+06	6.12E+04	1.26E+03	-2.01E+00	7.21E+05	7.20E+05	2.53E+04
1.00E+03	-2.59E+00	1.21E+06	1.21E+06	5.47E+04	1.00E+03	-1.82E+00	7.23E+05	7.22E+05	2.29E+04
7.94E+02	-2.33E+00	1.22E+06	1.21E+06	4.93E+04	7.94E+02	-1.67E+00	7.25E+05	7.24E+05	2.11E+04
6.31E+02	-2.11E+00	1.22E+06	1.22E+06	4.50E+04	6.31E+02	-1.56E+00	7.26E+05	7.26E+05	1.97E+04
5.01E+02	-1.95E+00	1.22E+06	1.22E+06	4.16E+04	5.01E+02	-1.48E+00	7.28E+05	7.28E+05	1.88E+04
3.98E+02	-1.82E+00	1.23E+06	1.23E+06	3.90E+04	3.98E+02	-1.44E+00	7.30E+05	7.29E+05	1.83E+04
3.16E+02	-1.74E+00	1.23E+06	1.23E+06	3.74E+04	3.16E+02	-1.43E+00	7.31E+05	7.31E+05	1.82E+04
2.51E+02	-1.70E+00	1.24E+06	1.23E+06	3.66E+04	2.51E+02	-1.46E+00	7.33E+05	7.33E+05	1.86E+04
2.00E+02	-1.68E+00	1.24E+06	1.24E+06	3.63E+04	2.00E+02	-1.49E+00	7.35E+05	7.35E+05	1.92E+04
1.58E+02	-1.70E+00	1.24E+06	1.24E+06	3.69E+04	1.58E+02	-1.58E+00	7.37E+05	7.37E+05	2.03E+04
1.26E+02	-1.75E+00	1.25E+06	1.24E+06	3.80E+04	1.26E+02	-1.68E+00	7.39E+05	7.39E+05	2.16E+04
1.00E+02	-1.83E+00	1.25E+06	1.25E+06	3.98E+04	1.00E+02	-1.80E+00	7.41E+05	7.41E+05	2.33E+04
7.94E+01	-1.92E+00	1.25E+06	1.25E+06	4.19E+04	7.94E+01	-1.95E+00	7.44E+05	7.43E+05	2.53E+04
6.31E+01	-2.06E+00	1.26E+06	1.26E+06	4.52E+04	6.31E+01	-2.14E+00	7.46E+05	7.46E+05	2.79E+04
5.01E+01	-2.26E+00	1.26E+06	1.26E+06	4.99E+04	5.01E+01	-2.37E+00	7.49E+05	7.48E+05	3.09E+04
3.98E+01	-2.43E+00	1.27E+06	1.27E+06	5.38E+04	3.98E+01	-2.62E+00	7.53E+05	7.52E+05	3.44E+04
3.16E+01	-2.66E+00	1.27E+06	1.27E+06	5.91E+04	3.16E+01	-2.89E+00	7.57E+05	7.56E+05	3.82E+04
2.51E+01	-2.92E+00	1.28E+06	1.28E+06	6.53E+04	2.51E+01	-3.22E+00	7.61E+05	7.60E+05	4.28E+04
2.00E+01	-3.22E+00	1.29E+06	1.29E+06	7.23E+04	2.00E+01	-3.57E+00	7.66E+05	7.64E+05	4.77E+04
1.58E+01	-3.55E+00	1.30E+06	1.29E+06	8.02E+04	1.58E+01	-3.97E+00	7.71E+05	7.69E+05	5.34E+04
1.26E+01	-3.92E+00	1.31E+06	1.30E+06	8.91E+04	1.26E+01	-4.41E+00	7.77E+05	7.75E+05	5.97E+04
1.00E+01	-4.32E+00	1.32E+06	1.31E+06	9.91E+04	1.00E+01	-4.89E+00	7.84E+05	7.81E+05	6.68E+04
7.94E+00	-4.76E+00	1.33E+06	1.32E+06	1.10E+05	7.94E+00	-5.41E+00	7.92E+05	7.88E+05	7.47E+04
6.31E+00	-5.24E+00	1.34E+06	1.34E+06	1.22E+05	6.31E+00	-5.98E+00	8.01E+05	7.96E+05	8.33E+04
5.01E+00	-5.76E+00	1.36E+06	1.35E+06	1.36E+05	5.01E+00	-6.58E+00	8.11E+05	8.05E+05	9.29E+04
3.98E+00	-6.31E+00	1.37E+06	1.36E+06	1.51E+05	3.98E+00	-7.23E+00	8.22E+05	8.15E+05	1.03E+05
3.16E+00	-6.91E+00	1.39E+06	1.38E+06	1.67E+05	3.16E+00	-7.91E+00	8.34E+05	8.26E+05	1.15E+05
2.51E+00	-7.53E+00	1.41E+06	1.40E+06	1.85E+05	2.51E+00	-8.64E+00	8.47E+05	8.38E+05	1.27E+05
2.00E+00	-8.19E+00	1.43E+06	1.42E+06	2.04E+05	2.00E+00	-9.40E+00	8.63E+05	8.51E+05	1.41E+05
1.58E+00	-8.89E+00	1.45E+06	1.44E+06	2.25E+05	1.58E+00	-1.02E+01	8.80E+05	8.66E+05	1.55E+05
1.26E+00	-9.65E+00	1.48E+06	1.46E+06	2.48E+05	1.26E+00	-1.10E+01	8.98E+05	8.81E+05	1.72E+05
1.00E+00	-1.05E+01	1.51E+06	1.49E+06	2.75E+05	1.00E+00	-1.19E+01	9.20E+05	9.00E+05	1.90E+05
7.94E-01	-1.13E+01	1.54E+06	1.51E+06	3.02E+05	7.94E-01	-1.28E+01	9.43E+05	9.20E+05	2.09E+05
6.31E-01	-1.21E+01	1.58E+06	1.54E+06	3.31E+05	6.31E-01	-1.37E+01	9.68E+05	9.40E+05	2.29E+05
5.01E-01	-1.30E+01	1.62E+06	1.58E+06	3.64E+05	5.01E-01	-1.46E+01	9.98E+05	9.66E+05	2.52E+05
3.98E-01	-1.40E+01	1.66E+06	1.61E+06	4.03E+05	3.98E-01	-1.57E+01	1.03E+06	9.90E+05	2.78E+05
3.16E-01	-1.50E+01	1.71E+06	1.65E+06	4.42E+05	3.16E-01	-1.67E+01	1.06E+06	1.02E+06	3.05E+05
2.51E-01	-1.61E+01	1.77E+06	1.70E+06	4.88E+05	2.51E-01	-1.78E+01	1.10E+06	1.05E+06	3.36E+05
2.00E-01	-1.72E+01	1.83E+06	1.75E+06	5.41E+05	2.00E-01	-1.89E+01	1.15E+06	1.09E+06	3.72E+05
1.58E-01	-1.84E+01	1.90E+06	1.80E+06	5.99E+05	1.58E-01	-2.00E+01	1.20E+06	1.13E+06	4.10E+05
1.26E-01	-1.96E+01	1.98E+06	1.86E+06	6.61E+05	1.26E-01	-2.12E+01	1.25E+06	1.17E+06	4.53E+05
1.00E-01	-2.07E+01	2.07E+06	1.93E+06	7.30E+05	1.00E-01	-2.25E+01	1.31E+06	1.22E+06	5.02E+05
7.94E-02	-2.22E+01	2.17E+06	2.01E+06	8.21E+05	7.94E-02	-2.35E+01	1.39E+06	1.27E+06	5.54E+05
6.31E-02	-2.35E+01	2.28E+06	2.09E+06	9.08E+05	6.31E-02	-2.48E+01	1.47E+06	1.34E+06	6.19E+05
5.01E-02	-2.49E+01	2.42E+06	2.20E+06	1.02E+06	5.01E-02	-2.62E+01	1.56E+06	1.40E+06	6.90E+05
3.98E-02	-2.62E+01	2.56E+06	2.30E+06	1.13E+06	3.98E-02	-2.72E+01	1.66E+06	1.48E+06	7.59E+05
3.16E-02	-2.72E+01	2.74E+06	2.43E+06	1.25E+06	3.16E-02	-2.82E+01	1.78E+06	1.57E+06	8.42E+05
2.51E-02	-2.87E+01	2.94E+06	2.58E+06	1.41E+06	2.51E-02	-2.92E+01	1.92E+06	1.68E+06	9.34E+05
2.00E-02	-2.97E+01	3.15E+06	2.74E+06	1.56E+06	2.00E-02	-3.01E+01	2.07E+06	1.79E+06	1.04E+06
1.59E-02	-3.04E+01	3.39E+06	2.92E+06	1.71E+06	1.59E-02	-3.08E+01	2.23E+06	1.91E+06	1.14E+06
1.26E-02	-3.10E+01	3.66E+06	3.14E+06	1					

4. EIS spectra of pristine Li(BH₃NH₂BH₂NH₂BH₃) at 56°C and 65°C

[4/4]

Li(B3N2) / 56°C					Li(B3N2) / 65°C				
f	phi (f)	mod z (f)	Z'	Z'' (Z')	f	phi (f)	mod z (f)	Z'	Z'' (Z')
1.00E+07	-6.08E+01	6.71E+03	3.27E+03	5.86E+03	1.00E+07	-5.83E+01	6.55E+03	3.45E+03	5.57E+03
7.94E+06	-4.05E+01	6.89E+03	5.24E+03	4.48E+03	7.94E+06	-3.76E+01	6.66E+03	5.28E+03	4.06E+03
6.31E+06	-7.34E+01	1.38E+04	3.94E+03	1.32E+04	6.31E+06	-6.81E+01	1.34E+04	5.01E+03	1.24E+04
5.01E+06	-7.24E+01	1.52E+04	4.61E+03	1.45E+04	5.01E+06	-6.89E+01	1.45E+04	5.23E+03	1.35E+04
3.98E+06	-8.16E+01	1.98E+04	2.89E+03	1.96E+04	3.98E+06	-7.83E+01	1.90E+04	3.88E+03	1.86E+04
3.16E+06	-8.69E+01	4.08E+04	2.22E+03	4.07E+04	3.16E+06	-8.07E+01	3.85E+04	6.22E+03	3.80E+04
2.51E+06	-8.88E+01	2.68E+04	5.76E+02	2.68E+04	2.51E+06	-8.49E+01	2.61E+04	2.32E+03	2.60E+04
2.00E+06	-1.05E+01	1.85E+05	-1.82E+05	-3.36E+04	2.00E+06	-7.27E+00	3.21E+05	-3.18E+05	-4.06E+04
1.58E+06	-4.58E+01	1.56E+05	1.09E+05	1.12E+05	1.58E+06	-3.83E+01	1.19E+05	9.35E+04	7.37E+04
1.26E+06	-4.91E+01	1.32E+05	8.62E+04	9.95E+04	1.26E+06	-4.22E+01	1.05E+05	7.81E+04	7.08E+04
1.00E+06	-4.88E+01	1.40E+05	9.27E+04	1.06E+05	1.00E+06	-4.15E+01	1.13E+05	8.43E+04	7.46E+04
7.94E+05	-4.73E+01	1.56E+05	1.06E+05	1.14E+05	7.94E+05	-3.97E+01	1.23E+05	9.47E+04	7.86E+04
6.31E+05	-4.57E+01	1.74E+05	1.22E+05	1.25E+05	6.31E+05	-3.71E+01	1.35E+05	1.08E+05	8.16E+04
5.01E+05	-4.27E+01	1.95E+05	1.44E+05	1.32E+05	5.01E+05	-3.41E+01	1.48E+05	1.23E+05	8.31E+04
3.98E+05	-3.94E+01	2.17E+05	1.68E+05	1.38E+05	3.98E+05	-3.10E+01	1.61E+05	1.38E+05	8.28E+04
3.16E+05	-3.60E+01	2.39E+05	1.93E+05	1.40E+05	3.16E+05	-2.78E+01	1.73E+05	1.53E+05	8.07E+04
2.51E+05	-3.26E+01	2.60E+05	2.19E+05	1.40E+05	2.51E+05	-2.50E+01	1.84E+05	1.67E+05	7.78E+04
2.00E+05	-2.92E+01	2.81E+05	2.45E+05	1.37E+05	2.00E+05	-2.20E+01	1.94E+05	1.80E+05	7.27E+04
1.58E+05	-2.59E+01	2.99E+05	2.69E+05	1.31E+05	1.58E+05	-1.92E+01	2.03E+05	1.92E+05	6.67E+04
1.26E+05	-2.29E+01	3.16E+05	2.91E+05	1.23E+05	1.26E+05	-1.67E+01	2.11E+05	2.02E+05	6.03E+04
1.00E+05	-2.00E+01	3.31E+05	3.11E+05	1.13E+05	1.00E+05	-1.44E+01	2.17E+05	2.10E+05	5.39E+04
7.94E+04	-1.74E+01	3.44E+05	3.28E+05	1.03E+05	7.94E+04	-1.24E+01	2.22E+05	2.17E+05	4.76E+04
6.31E+04	-1.51E+01	3.55E+05	3.42E+05	9.22E+04	6.31E+04	-1.06E+01	2.27E+05	2.23E+05	4.17E+04
5.01E+04	-1.31E+01	3.64E+05	3.55E+05	8.22E+04	5.01E+04	-9.11E+00	2.31E+05	2.28E+05	3.65E+04
3.98E+04	-1.13E+01	3.72E+05	3.65E+05	7.29E+04	3.98E+04	-7.83E+00	2.34E+05	2.32E+05	3.19E+04
3.16E+04	-9.82E+00	3.79E+05	3.79E+05	6.46E+04	3.16E+04	-6.74E+00	2.37E+05	2.35E+05	2.78E+04
2.51E+04	-8.50E+00	3.85E+05	3.81E+05	5.69E+04	2.51E+04	-5.81E+00	2.39E+05	2.38E+05	2.42E+04
2.00E+04	-7.33E+00	3.90E+05	3.87E+05	4.98E+04	2.00E+04	-4.98E+00	2.41E+05	2.40E+05	2.09E+04
1.58E+04	-6.31E+00	3.95E+05	3.92E+05	4.34E+04	1.58E+04	-4.27E+00	2.43E+05	2.42E+05	1.81E+04
1.26E+04	-5.43E+00	3.99E+05	3.97E+05	3.77E+04	1.26E+04	-3.67E+00	2.44E+05	2.44E+05	1.56E+04
1.00E+04	-4.67E+00	4.02E+05	4.01E+05	3.27E+04	1.00E+04	-3.16E+00	2.46E+05	2.45E+05	1.35E+04
7.94E+03	-4.03E+00	4.05E+05	4.04E+05	2.84E+04	7.94E+03	-2.73E+00	2.47E+05	2.46E+05	1.18E+04
6.31E+03	-3.44E+00	4.07E+05	4.06E+05	2.44E+04	6.31E+03	-2.36E+00	2.48E+05	2.47E+05	1.02E+04
5.01E+03	-2.98E+00	4.09E+05	4.09E+05	2.13E+04	5.01E+03	-2.07E+00	2.48E+05	2.48E+05	8.99E+03
3.98E+03	-2.58E+00	4.11E+05	4.10E+05	1.85E+04	3.98E+03	-1.82E+00	2.49E+05	2.49E+05	7.91E+03
3.16E+03	-2.26E+00	4.12E+05	4.12E+05	1.63E+04	3.16E+03	-1.63E+00	2.50E+05	2.50E+05	7.10E+03
2.51E+03	-2.00E+00	4.14E+05	4.13E+05	1.45E+04	2.51E+03	-1.49E+00	2.50E+05	2.50E+05	6.49E+03
2.00E+03	-1.78E+00	4.15E+05	4.14E+05	1.29E+04	2.00E+03	-1.37E+00	2.51E+05	2.51E+05	5.99E+03
1.58E+03	-1.62E+00	4.16E+05	4.15E+05	1.17E+04	1.58E+03	-1.30E+00	2.51E+05	2.51E+05	5.68E+03
1.26E+03	-1.49E+00	4.17E+05	4.16E+05	1.08E+04	1.26E+03	-1.24E+00	2.52E+05	2.52E+05	5.46E+03
1.00E+03	-1.40E+00	4.18E+05	4.17E+05	1.02E+04	1.00E+03	-1.23E+00	2.52E+05	2.52E+05	5.40E+03
7.94E+02	-1.34E+00	4.18E+05	4.18E+05	9.81E+03	7.94E+02	-1.24E+00	2.53E+05	2.53E+05	5.45E+03
6.31E+02	-1.31E+00	4.19E+05	4.19E+05	9.61E+03	6.31E+02	-1.26E+00	2.53E+05	2.53E+05	5.59E+03
5.01E+02	-1.32E+00	4.20E+05	4.20E+05	9.64E+03	5.01E+02	-1.32E+00	2.54E+05	2.54E+05	5.85E+03
3.98E+02	-1.34E+00	4.21E+05	4.21E+05	9.88E+03	3.98E+02	-1.40E+00	2.55E+05	2.55E+05	6.22E+03
3.16E+02	-1.40E+00	4.22E+05	4.22E+05	1.03E+04	3.16E+02	-1.50E+00	2.55E+05	2.55E+05	6.69E+03
2.51E+02	-1.48E+00	4.23E+05	4.23E+05	1.10E+04	2.51E+02	-1.63E+00	2.56E+05	2.56E+05	7.28E+03
2.00E+02	-1.58E+00	4.24E+05	4.24E+05	1.17E+04	2.00E+02	-1.77E+00	2.57E+05	2.57E+05	7.91E+03
1.58E+02	-1.72E+00	4.25E+05	4.25E+05	1.27E+04	1.58E+02	-1.95E+00	2.58E+05	2.57E+05	8.74E+03
1.26E+02	-1.87E+00	4.27E+05	4.26E+05	1.40E+04	1.26E+02	-2.14E+00	2.59E+05	2.58E+05	9.66E+03
1.00E+02	-2.05E+00	4.28E+05	4.28E+05	1.53E+04	1.00E+02	-2.36E+00	2.60E+05	2.59E+05	1.07E+04
7.94E+01	-2.24E+00	4.30E+05	4.30E+05	1.68E+04	7.94E+01	-2.59E+00	2.61E+05	2.61E+05	1.18E+04
6.31E+01	-2.50E+00	4.32E+05	4.31E+05	1.88E+04	6.31E+01	-2.89E+00	2.62E+05	2.62E+05	1.32E+04
5.01E+01	-2.75E+00	4.34E+05	4.33E+05	2.08E+04	5.01E+01	-3.20E+00	2.64E+05	2.63E+05	1.47E+04
3.98E+01	-3.08E+00	4.36E+05	4.36E+05	2.34E+04	3.98E+01	-3.55E+00	2.65E+05	2.65E+05	1.64E+04
3.16E+01	-3.41E+00	4.39E+05	4.38E+05	2.61E+04	3.16E+01	-3.93E+00	2.67E+05	2.67E+05	1.83E+04
2.51E+01	-3.80E+00	4.42E+05	4.41E+05	2.93E+04	2.51E+01	-4.36E+00	2.69E+05	2.68E+05	2.05E+04
2.00E+01	-4.21E+00	4.45E+05	4.44E+05	3.27E+04	2.00E+01	-4.83E+00	2.72E+05	2.71E+05	2.29E+04
1.58E+01	-4.66E+00	4.49E+05	4.47E+05	3.64E+04	1.58E+01	-5.34E+00	2.74E+05	2.73E+05	2.55E+04
1.26E+01	-5.17E+00	4.53E+05	4.51E+05	4.08E+04	1.26E+01	-5.90E+00	2.77E+05	2.76E+05	2.84E+04
1.00E+01	-5.72E+00	4.58E+05	4.55E+05	4.56E+04	1.00E+01	-6.50E+00	2.80E+05	2.78E+05	3.17E+04
7.94E+00	-6.31E+00	4.63E+05	4.60E+05	5.09E+04	7.94E+00	-7.15E+00	2.84E+05	2.82E+05	3.53E+04
6.31E+00	-6.95E+00	4.69E+05	4.65E+05	5.67E+04	6.31E+00	-7.86E+00	2.88E+05	2.85E+05	3.93E+04
5.01E+00	-7.65E+00	4.75E+05	4.71E+05	6.32E+04	5.01E+00	-8.60E+00	2.92E+05	2.89E+05	4.37E+04
3.98E+00	-8.38E+00	4.82E+05	4.77E+05	7.03E+04	3.98E+00	-9.40E+00	2.98E+05	2.94E+05	4.86E+04
3.16E+00	-9.16E+00	4.91E+05	4.84E+05	7.81E+04	3.16E+00	-1.02E+01	3.03E+05	2.98E+05	5.39E+04
2.51E+00	-9.98E+00	5.00E+05	4.92E+05	8.66E+04	2.51E+00	-1.11E+01	3.09E+05	3.04E+05	5.96E+04
2.00E+00	-1.08E+01	5.10E+05	5.01E+05	9.60E+04	2.00E+00	-1.20E+01	3.17E+05	3.10E+05	6.60E+04
1.58E+00	-1.18E+01	5.22E+05	5.11E+05	1.06E+05	1.58E+00	-1.30E+01	3.25E+05	3.16E+05	7.30E+04
1.26E+00	-1.27E+01	5.34E+05	5.21E+05	1.17E+05	1.26E+00	-1.40E+01	3.33E+05	3.23E+05	8.05E+04
1.00E+00	-1.37E+01	5.49E+05	5.33E+05	1.30E+05	1.00E+00	-1.50E+01	3.43E+05	3.31E+05	8.90E+04
7.94E-01	-1.47E+01	5.65E+05	5.47E+05	1.44E+05	7.94E-01	-1.62E+01	3.54E+05	3.40E+05	9.89E+04
6.31E-01	-1.57E+01	5.82E+05	5.61E+05	1.58E+05	6.31E-01	-1.72E+01	3.66E+05	3.50E+05	1.08E+05
5.01E-01	-1.68E+01	6.03E+05	5.77E+05	1.74E+05	5.01E-01	-1.85E+01	3.81E+05	3.61E+05	1.21E+05
3.98E-01	-1.80E+01	6.25E+05	5.94E+05	1.93E+05	3.98E-01	-1.97E+01	3.96E+05	3.73E+05	1.33E+05
3.16E-01	-1.90E+01	6.49E+05	6.14E+05	2.12E+05	3.16E-01	-2.09E+01	4.14E+05	3.86E+05	1.47E+05
2.51E-01	-2.02E+01	6.77E+05	6.36E+05	2.34E+05	2.51E-01	-2.21E+01	4.33E+05	4.02E+05	1.63E+05
2.00E-01	-2.14E+01	7.08E+05	6.59E+05	2.58E+05	2.00E-01	-2.33E+01	4.56E+05	4.19E+05	1.80E+05
1.58E-01	-2.27E+01	7.47E+05	6.89E+05	2.89E+05	1.58E-01	-2.46E+01	4.83E+05	4.39E+05	2.01E+05
1.26E-01	-2.38E+01	7.86E+05	7.19E+05	3.17E+05	1.26E-01	-2.57E+01	5.12E+05	4.61E+05	2.22E+05
1.00E-01	-2.52E+01	8.32E+05	7.53E+05	3.54E+05	1.00E-01	-2.71E+01	5.46E+05	4.86E+05	2.48E+05
7.94E-02	-2.62E+01	8.80E+05	7.90E+05	3.88E+05	7.94E-02	-2.82E+01	5.82E+05	5.13E+05	2.74E+05
6.31E-02	-2.74E+01	9.42E+05	8.36E+05	4.33E+05	6.31E-02	-2.94E+01	6.25E+05	5.45E+05	3.06E+05
5.01E-02	-2.88E+01	1.01E+06	8.83E+05	4.85E+05	5.01E-02	-3.03E+01	6.71E+05	5.79E+05	3.38E+05
3.98E-02	-2.98E+01	1.08E+06	9.36E+05	5.36E+05	3.98E-02	-3.12E+01	7.27E+05	6.22E+05	3.76E+05
3.16E-02	-3.06E+01	1.17E+06	1.00E+06	5.94E+05	3.16E-02	-3.20E+01	7.90E+05	6.70E+05	4.19E+05
2.51E-02	-3.16E+01	1.26E+06	1.08E+06	6.61E+05	2.51E-02	-3.27E+01	8.60E+05	7.24E+05	4.65E+05
2.00E-02	-3.24E+01	1.37E+06	1.15E+06	7.32E+05	2.00E-02	-3.33E+01	9.35E+05	7.82E+05	5.13E+05
1.59E-02	-3.28E+01	1.48E+06	1.24E+06	7.99E+05	1.59E-02	-3.35E+01	1.01E+06	8.45E+05	5.59E+05
1.26E-02	-3.29E+01	1.60E+06	1.34E+06	8					